CLAIMS

What is claimed is:

1. A concrete receptacle assembly using waste concrete to create formed riprap, said concrete receptacle assembly comprising:

a frame having an outer surface and an inner surface;

at least one first partition mounted within said frame;

at least one second partition mounted within said frame, said second partition intersecting with said first partition;

a base connecting said first partition with said second partition, wherein said base, said first partition and said second partition forming a cell within said frame to hold the waste concrete.

2. The concrete receptacle assembly as described in claim 1, wherein said at least one first partition is tapered from a vertical plane.

3. The concrete receptacle assembly as described in claim 2, wherein said at least one first partition is tapered from 0 to 60 degrees from a vertical plane.

4. The concrete receptacle assembly as described in claim 1, wherein said at least one second partition is tapered from a vertical plane.

5. The concrete receptacle assembly as described in claim 4, wherein said at least one second partition is tapered from 0 to 60 degrees from a vertical plane.

6. The concrete receptacle assembly as described in claim 1 further comprising an aperture traversing said base.

7. The concrete receptacle assembly as described in claim 1, further comprising:

at least one bracket rigidly affixed to said outer surface of said frame to assist in upending said frame.

8. The concrete receptacle assembly as described in claim 1, further comprising a railing affixed to said frame.

9. The concrete receptacle assembly as described in claim 1, wherein said frame comprises:

a pair of horizontal walls; and

a pair of vertical walls connected between said horizontal walls.

10. The concrete receptacle assembly as described in claim 9 further comprising:

a pair of said first partitions, said first partitions connected between said horizontal walls of said frame, wherein each said first partition of said pair is angled toward said other first partition of said pair; and

a pair of said second partitions, said second partitions connected between said vertical walls of said frame, wherein each said second partition of said pair is angled toward said other second partition of said pair.

11. A method for forming riprap using waste concrete comprising the steps of:

a) placing a frame on a ground surface, said frame having a first partition and a second partition, said first partition connected to said second partition by a base, said first partition, second partition and base defining at least one cell;

b) applying a lubricant to said at least one cell;

c) distributing the waste concrete into said at least one cell;

d) allowing said waste concrete to cure in said at least one cell into a riprap block having a shape conforming to said at least one cell; and

e) substantially inverting said frame to allow said riprap block to be displaced from said at least one cell.

12. The method for forming riprap as described in claim 7, wherein step a) further comprises: providing said frame with said first partition being tapered toward said second partition.

13. The method for forming riprap as described in claim 7, wherein step d) further comprises: maintaining said frame in a stationary position for at least eight hours.

14. The method for forming riprap as described in claim 9, wherein step e) further comprises: engaging an arm attached to said frame to lift said arm and said frame from the ground surface.

15. A method for recycling waste concrete into synthetic riprap blocks comprising the steps of:

a) placing a frame on a ground surface, said frame having an inner surface and an outer surface, wherein a first partition and a second partition are mounted to said inner surface of said frame to define at least one cell;

b) covering said at least one cell with a lubricant;

c) dispersing the waste concrete into said cell;

d) storing said frame for a predetermined period of time; and

e) upending said frame to dislodge the synthetic riprap block from said cell.

16. The method for recycling waste concrete into synthetic riprap blocks as described in claim 15, wherein step a) further comprises angling said first partition toward said second partition.

17. The method for recycling waste concrete into synthetic riprap blocks as described in claim 15, wherein step d) further comprises the step of allowing the waste concrete to cure for a period of at least eight hours.

18. The method for recycling waste concrete into synthetic riprap blocks as described in claim 15, wherein step e) further comprises:

engaging a clasp attached to said frame; and

rotating said frame from the ground surface.

19. The method for recycling waste concrete into synthetic riprap blocks as described in claim 18 further comprising the step of lifting said frame with a machine.